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OCCURRENCE AND GEOGRAPHIC DISTRIBUTION OF DISEASE.

The State morbidity reports, which follow, are those made pursuant to the resolution adopted by the Tenth Annual Conference of State and Territorial Health Authorities with the Public Health Service June 1, 1912.

SMALLPOX.

MARYLAND.

Allegany County—Smallpox.

The secretary of the Maryland State Board of Health reported by telegraph December 19 the occurrence of 2 cases of smallpox in Western Port and 1 case in Lonaconing, Allegany County; and on December 24 he reported the occurrence of 1 case of smallpox in Midlothian, Allegany County.

STATE REPORTS FOR NOVEMBER, 1912.

Places.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Illinois:						
Bureau County	26					26
Hamilton County	1					1
Kankakee County	1					1
Kendall County	1					1
La Salle County	33					33
Madison County	1					1
Mason County	1					1
Pulaski County	2					2
Putnam County	2					2
Shelby County	2					2
Stephenson County	1					1
Vermillion County	20					20
Whiteside County	4					4
Crickettsville	1					1
Total.....	96					96
Indiana:						
Allen County	8					8
Dearborn County	1					1
Grant County	1					1
Greene County	14					14
Huntington County	1					1
Madison County	2					2
Miami County	1					1
Owen County	5					5
Pike County	11					11
Randolph County	1					1
Vanderburg County	60					60
Wabash County	1					1
Warrick County	1					1
Total.....	107					107

STATE REPORTS FOR NOVEMBER, 1912.

Place.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Iowa:						
Dallas County.....	1	.....	.....	.....	.....	1
Jasper County.....	1	.....	.....	.....	.....	1
Kossuth County.....	2	.....	.....	.....	.....	2
Pocahontas County.....	2	.....	.....	.....	.....	2
Polk County.....	2	.....	.....	.....	.....	2
Sac County.....	2	.....	.....	.....	.....	2
Scott County.....	1	1	.....	.....	.....	1
Webster County.....	6	.....	.....	.....	.....	6
Total.....	17	1	.....	.....	.....	17
Maryland, exclusive of the city of Baltimore:						
Allegany County—						
Cumberland.....	10	.....	.....	.....	.....	10
Midland.....	1	.....	.....	.....	.....	1
Total.....	11	.....	.....	.....	.....	11
Massachusetts:						
Dukes County—						
Edgartown town.....	1	.....	.....	.....	.....	1
Essex County—						
Newburyport city.....	1	.....	.....	.....	.....	1
Suffolk County—						
Boston city.....	1	.....	.....	.....	.....	1
Winthrop town.....	1	.....	.....	.....	.....	1
Worcester County—						
Lancaster town.....	2	.....	.....	.....	.....	2
Total.....	6	.....	.....	.....	.....	6
Minnesota:						
Anoka County—						
Fridley Township.....	1	.....	.....	.....	1	.....
Blue Earth County—						
Mankato.....	1	.....	.....	.....	.....	1
Carlton County—						
Moose Lake.....	3	.....	.....	.....	3	.....
Clearwater County—						
Eddy Township.....	1	.....	.....	.....	.....	1
Fillmore County—						
Fillmore Township.....	1	.....	.....	.....	1	.....
Freeborn County—						
Albert Lea.....	1	.....	.....	1	.....	.....
Hennepin County—						
Minneapolis.....	13	.....	.....	.....	13	.....
Itasca County—						
Bovey.....	2	.....	.....	1	1	.....
Kandiyohi County—						
Willmar.....	7	.....	.....	2	4	1
Meeker County—						
Collinwood Township.....	4	.....	.....	2	.....	2
Dassel.....	23	.....	.....	.....	23	.....
Dassel Township.....	8	.....	.....	.....	8	.....
Kingston Township.....	2	.....	.....	.....	2	.....
Mower County—						
Austin.....	2	.....	.....	2	.....	.....
Lansing Township.....	1	.....	.....	.....	.....	1
Nicollet County—						
New Sweden Township.....	2	.....	.....	2	.....	.....
Olmsted County—						
New Haven Township.....	2	.....	.....	.....	2	.....
Orion Township.....	55	.....	5	2	48	.....
Oronoco Township.....	1	.....	.....	.....	1	.....
Pine County—						
Windemere Township.....	2	.....	.....	2	.....	.....
Ramsey County—						
St. Paul.....	31	.....	.....	1	6	24
Rice County—						
Faribault.....	23	.....	1	.....	22	.....
St. Louis County—						
Duluth.....	32	.....	.....	.....	32	.....

STATE REPORTS FOR NOVEMBER, 1912

Place.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Minnesota—Continued.						
Scott County—						
Jordan.....	3			1	2	
Washington County—						
Lakeland Township.....	3			3		
Stillwater.....	38			1	37	
Total.....	262		6	20	206	30
New York:						
Clinton County—						
Moers Township.....	1					1
Plattsburg.....	4					4
Delaware County—						
Deposit Township.....	2					2
Hancock Township.....	27					27
Hancock.....	100	1			94	6
Tompkin Township.....	4					4
Dutchess County—						
Fishkill Township.....	1					1
Erie County—						
Buffalo.....	1					1
Essex County—						
Elizabethtown Township.....	8					8
Essex Township.....	26					26
Newcomb Township.....	1					1
Franklin County—						
Constable Township.....	5					5
Westville Township.....	1					1
Monroe County—						
Rochester.....	1					1
Greater New York.....	2					2
Niagara County—						
Niagara Falls.....	2					2
St. Lawrence County—						
Massena Township.....	3					3
Saratoga County—						
Saratoga Springs.....	2					2
Sullivan County—						
Fremont Township.....	1					1
Total.....	192	1			94	98
North Dakota:						
Bottineau County.....	2					2
Burleigh County.....	2					2
Cavalier County.....	2					2
Stark County.....	2					2
Total.....	8					8
Texas:						
Cameron County.....	1					1
Dallas County.....	13	2				13
Denton County.....	7	2				7
Hunt County.....	10	2				10
Navarro County.....	1					1
Tarrant County.....	1					1
Valverde County.....	1					1
Total.....	34	6				34
Wisconsin:						
Chippewa County.....	2					2
Clark County.....	11					11
Douglas County.....	1					1
Eau Claire County.....	24					24
Juneau County.....	1					1
La Crosse County.....	30					30
Milwaukee County.....	6					6
Outagamie County.....	1					1
Brown County.....	9					9
Total.....	85					85

OHIO AND WISCONSIN REPORTS FOR OCTOBER, 1912.

Place.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio:						
Lucas County.....	1					1
Miami County.....	5					5
Seneca County.....	7					7
Total.....	13					13
Wisconsin:						
Brown County.....	39					39
Clark County.....	10					10
Dane County.....	1					1
Juneau County.....	1					1
La Crosse County.....	2					2
Milwaukee County.....	1					1
Winnebago County.....	4					4
Total.....	58					58

MISCELLANEOUS STATE REPORTS.

Places.	Date.	Cases.	Deaths.
Colorado:			
Counties—			
Denver.....	July 1-31.....	1	
Mesa.....	do.....	1	
Weld.....	do.....	14	
Total.....		16	
Florida:			
Counties—			
Manatee.....	Dec. 9-15.....	15	
St. Johns.....	do.....	1	
Volusia.....	do.....	1	
Total.....		17	
Oklahoma.....	{Sept. 1-30..... Oct. 1-31.....	None. None.	

PENNSYLVANIA.

Pittsburgh—Virulent Smallpox.

Dr. Samuel G. Dixon, State commissioner of health of Pennsylvania, reported December 19 regarding the recent outbreak of virulent smallpox in Pittsburgh as follows:

According to the director of the department of health of Pittsburgh, the first smallpox case was that of a woman who came to this country on the steamship *Haverford*, arriving in Philadelphia on June 4. This patient arrived in Pittsburgh on June 5 and took up her residence in the south side of the city. On or about June 20 it was discovered that she had smallpox, when she was removed to the municipal hospital. She was at that time in the late stage of the disease. On July 6 her husband was stricken, and he was also removed to the hospital. Both were released from quarantine on August 9.

The municipal hospital is located near the district where the first case of the later epidemic was subsequently discovered. This district consists, for the most part, of tenement houses which are occupied by foreign-born persons.

On August 9 a boy 12 years of age was found to have the disease, the diagnosis being made during the pustular stage. This boy lived in an alley in the most crowded tenement district. The parent population of this district have practically all been vaccinated either before or at the time of arrival at American ports. Their children, as a rule, are unvaccinated.

In the city of Pittsburgh there were 114 cases of smallpox during the outbreak and in Allegheny County, outside of the city of Pittsburgh, 7 cases, making in all 121 cases.

The ages of the patients were as follows:

Ages of patients in Pittsburgh.

	Cases.
Under 1 year.....	3
1 to 2 years.....	10
2 to 3 years.....	7
3 to 4 years.....	9
4 to 5 years.....	11
5 to 7 years.....	19
7 to 10 years.....	12
10 to 15 years.....	9
20 to 30 years.....	14
30 to 40 years.....	12
40 to 50 years.....	7
60 and over.....	1

Ages of patients outside of Pittsburgh.

	Cases.
2 years.....	1
22 years.....	1
24 years.....	1
30 years.....	1
35 years (about).....	3

The vaccination history of the Pittsburgh patients showed that of the 114 patients 90 had never been vaccinated, while 24 had been. Of the 24 who had been vaccinated 12 had been vaccinated more than 7 years previously and showed well-defined scars, 7 had been vaccinated more than 7 years previously and showed poorly defined scars, 1 had been vaccinated less than 7 years before and showed a well-defined scar, 4 had been vaccinated less than 7 years before and showed ill-defined scars.

Of the 90 cases not previously vaccinated the type of the disease was severe in 62 cases, moderately severe in 18, and mild in 10 cases. Of the 24 cases previously vaccinated the type was severe in 1 case, moderately severe in 3, and mild in 20 cases.

Of the 7 cases occurring outside of Pittsburgh 4 of the patients had never been vaccinated, 1 patient had been vaccinated 23 years previously, and 2 cases within the period of incubation of the disease. A summary of all the cases in the outbreak shows that 94 had never been vaccinated, while 27 had been, but of the latter 2 were vaccinated within the period of incubation.

In the outbreak there were 33 deaths among the 121 patients, giving a case fatality rate of 27.28 per cent. Of the 33 deaths 31 were among the Pittsburgh patients and 2 among those from outside the city.

Of the 33 deaths 29 were among persons not previously vaccinated. Of the deaths among the vaccinated 1 was of a woman of 40 years of age who had an ill-defined vaccination scar resulting from vaccination in childhood, and 1 was that of a woman of 85 years of age who had an ill-defined scar as a result also of vaccination in childhood. This case was extremely mild as to smallpox, but pneumonia developed, causing death.

CITY REPORTS.

Cases and Deaths Reported by City Health Authorities for the Week Ended Dec. 7, 1912.

Places.	Cases.	Deaths.	Places.	Cases.	Deaths.
Baltimore, Md.....	12	.....	Newburyport, Mass.....	1	.....
Butte, Mont.....	1	.....	New Orleans, La.....	2	.....
Danville, Ill.....	1	.....	Niagara Falls, N. Y.....	2	.....
Detroit, Mich.....	14	.....	Omaha, Nebr.....	2	.....
Duluth, Minn.....	18	.....	Portsmouth, Va.....	3	.....
Evansville, Ind.....	24	.....	San Francisco, Cal.....	1	.....
Kansas City, Kans.....	1	.....	Spokane, Wash.....	1	.....
Knoxville, Tenn.....	1	.....	Toledo, Ohio.....	17	.....
La Crosse, Wis.....	9	.....	Washington, D. C.....	1	.....
Manchester, N. H.....	2	.....	Zanesville, Ohio.....	14	.....

¹ One case occurred Nov. 30.

TYPHOID FEVER.

STATE REPORTS FOR NOVEMBER, 1912.

Place.	Number of new cases reported during month.	Place.	Number of new cases reported during month.
Indiana:		Indiana—Continued.	
Allen County.....	4	Newton County.....	2
Bartholomew County.....	2	Noble County.....	12
Boone County.....	4	Orange County.....	4
Brown County.....	4	Owen County.....	6
Cass County.....	3	Parke County.....	8
Clark County.....	13	Perry County.....	1
Clinton County.....	2	Pike County.....	1
Daviess County.....	5	Putnam County.....	3
Dearborn County.....	1	Ripley County.....	6
Decatur County.....	1	Scott County.....	3
Dekalb County.....	1	Shelby County.....	1
Delaware County.....	2	St. Joseph County.....	1
Dubois County.....	1	Sullivan County.....	10
Elkhart County.....	1	Switzerland County.....	1
Floyd County.....	8	Tippecanoe County.....	1
Gibson County.....	7	Vanderburg County.....	7
Grant County.....	7	Vermilion County.....	2
Greene County.....	2	Vigo County.....	3
Hamilton County.....	1	Warrick County.....	7
Hancock County.....	1	Washington County.....	15
Hendricks County.....	1	Wayne County.....	4
Henry County.....	8	Wells County.....	3
Howard County.....	2	White County.....	5
Huntington County.....	5		
Jay County.....	8	Total.....	297
Jefferson County.....	2		
Johnson County.....	3	Maryland, exclusive of the city of Baltimore:	
Knox County.....	3	Allegheny County—	
Kosciusko County.....	3	Cumberland.....	14
Lake County.....	46	Near Cumberland.....	2
Laporte County.....	2	Western Maryland Hospital.....	5
Lawrence County.....	3	Frostburg.....	6
Marion County.....	27	Lonaconing.....	1
Marshall County.....	2	Westernport.....	2
Monroe County.....	4	Near Westernport.....	1
Montgomery County.....	1	Long.....	2
Morgan County.....	1		